

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 2    | (("3103377") or ("5564853")).PN.  | USPAT  | OR               | OFF     | 2010/12/13 16:51 |
| L2    | 1197 | (403/77,120,126,135,141,143),COLS.  | USPAT  | OR               | OFF     | 2010/12/13 17:42 |
| L3    | 134  | 2 and @pd> = "20030402"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2010/12/13 17:42 |
| L4    | 10   | molenaar near kelly   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2010/12/13 17:44 |
| L5    | 7    | ("1866520"   "3423114"   "4568216"   "4613250"   "6488439").PN. OR ("6908251").URPN   | US_PGPUB; USPAT; USOCR                                   | OR               | ON      | 2010/12/13 17:46 |
| S1    | 12   | ("2900196"   "3061344"   "3103377"   "3239256"   "3415551"   "4134701"   "5435652"   "5816731"   "6250840"   "6550120"   "6742955"   "4666329").PN.                     | US_PGPUB; USPAT  | OR               | ON      | 2010/04/20 14:28 |
| S2    | 8    | (("2559857") or ("2848260") or ("2954993") or ("4120597") or ("4568216") or ("5564853") or ("5885022") or ("6382865")).PN.  | US_PGPUB; USPAT  | OR               | OFF     | 2010/04/20 14:29 |
| S3    | 11   | (("5435652") or ("2900196") or ("3061344") or ("3239256") or ("5816731") or ("6250840") or ("6742955") or ("6550120") or ("3103377") or ("3415551") or ("4134701")).PN. | US_PGPUB; USPAT  | OR               | OFF     | 2010/04/20 14:31 |
| S4    | 20   | S1 S2 S3  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2010/04/20 15:24 |
| S5    | 21   | "1049045"   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2010/04/20 15:24 |
| S6    | 30   | "364495"  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2010/04/20 15:25 |

|     |    |  |   |    |     |                     |
|-----|----|--|---|----|-----|---------------------|
| S7  | 21 | "1049045"  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/04/20<br>15:29 |
| S8  | 9  | "1399174"  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/04/20<br>15:31 |
| S9  | 2  | ("6142033").PN.  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/04/20<br>15:33 |
| S10 | 22 | (US-6742955-\$ or US-6550120-\$ or US-6382865-\$ or US-6250840-\$ or US-5885022-\$ or US-5816731-\$ or US-5564853-\$ or US-5435652-\$ or US-4666329-\$ or US-4568216-\$ or US-4134701-\$ or US-4120597-\$ or US-3415551-\$ or US-3239256-\$ or US-3103377-\$ or US-3061344-\$ or US-2954993-\$ or US-2900196-\$ or US-2848260-\$ or US-2559857-\$).did. or (US-2913268-\$ or US-2883221-\$).did. | USPAT; USOCR  | OR | ON  | 2010/04/20<br>19:56 |
| S11 | 2  | S10 and set adj screw  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/04/20<br>19:57 |
| S12 | 22 | (US-6742955-\$ or US-6550120-\$ or US-6382865-\$ or US-6250840-\$ or US-5885022-\$ or US-5816731-\$ or US-5564853-\$ or US-5435652-\$ or US-4666329-\$ or US-4568216-\$ or US-4134701-\$ or US-4120597-\$ or US-3415551-\$ or US-3239256-\$ or US-3103377-\$ or US-3061344-\$ or US-2954993-\$ or US-2900196-\$ or US-2848260-\$ or US-2559857-\$).did. or (US-2913268-\$ or US-2883221-\$).did. | USPAT; USOCR  | OR | ON  | 2010/04/21<br>10:35 |
| S13 | 12 | (US-6742955-\$ or US-6550120-\$ or US-6250840-\$ or US-5885022-\$ or US-5816731-\$ or US-5435652-\$ or US-4568216-\$ or US-4134701-\$ or US-4120597-\$ or US-3103377-\$ or US-2954993-\$ or US-2900196-\$).did.  | USPAT   | OR | ON  | 2010/04/21<br>10:35 |
| S14 | 6  | (US-6742955-\$ or US-5816731-\$ or US-5435652-\$ or US-3103377-\$ or US-2954993-\$ or US-2900196-\$).did.  | USPAT   | OR | ON  | 2010/04/21<br>10:40 |
| S15 | 3  | (US-3103377-\$ or US-2954993-\$ or US-2900196-\$).did.   | USPAT   | OR | ON  | 2010/04/21<br>10:42 |

|     |   |   |  |    |    |                  |
|-----|---|---|--|----|----|------------------|
| S16 | 2 | S12 and pressure with wear  | US-PPGUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/21 11:51 |
| S17 | 8 | ("20010048935"   "20030003126"   "3643371"   "4079700"   "4237113"   "4286772"   "5529289"   "5948832").PN. | US-PPGUB; USPAT  | OR | ON | 2010/04/22 11:18 |

**EAST Search History (Interference)**

| Ref # | Hits | Search Query  | DBs                   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------------|------------------|---------|------------------|
| L6    | 0    | metal ball joint pressurized lubricant elongate shaft upper end lower end threaded rigidly ball fixed surmounted curved surface truncated flat face highest point housing outside surface opening middle portion curved seat internal external retaining member duct lubricating port passageway seal set screw | US-PPGUB; USPAT; UPAD | AND              | ON      | 2010/12/13 17:49 |

12/13/2010 5:49:52 PM

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